template (see FIG 22) to affect actively running agents. Some differences between the two GUI's is that a live agent editor would not allow changes certain general parameters such as the interpreter an ontology selection. It may also add the ability to force activation and deactivation of agents.

[0220] Also the present invention provide a GUI for editing ontology entries. This GUI interface would look similar to the Fact Entry Dialog of FIG 24. The Ontology editor includes actions to add and remove entries in the ontology tree (see 311 in FIG 24) and fields for entry of the name, data type, and cardinality (allowing multiple values).

ABSTRACT OF DISCLOSURE

A system and methods for building and executing intelligent agents are disclosed. This system allows the automatic invocation of computerized software services using Boolean conditions to determine if and when a specific service or task is executed. Intelligent agents within the platform can communicate with each other through a message-handling infrastructure. The message-handing system includes methods for data encoding/decoding, encryption and transport across multiple protocols. This system also includes methods for event handling, task selection, agent mobility, and agent persistence. A graphical user interface helps individuals define and monitor agent activity.

This system is highly extendible, providing methods for the addition or inclusion of alternative agent services, message-handling approaches, event-handling systems and task-handling approaches.